

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8329	bimorph	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:21
L2	2287	bimorph near piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:42
L3	9593	345/173	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:22
L4	4053	345/173.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:22
L5	13	2 and 4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:26
L6	2	"6128671".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:26
L7	24	("4044350"   "4305067"   "4478165"   "4758165"   "4985692"   "5226817"   "5293464"   "5407285"   "5426837"   "5449292"   "5636051"   "5685720"   "5714978"   "5736978"   "5784052"   "5912660"   "5973670"   "5973674"   "6020876"   "6028593").PN. OR ("6128671").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 15:29
L8	206	(bimorph near piezoelectric near actuator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:42
L9	23	(bimorph near piezoelectric near actuator) same vibrat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 16:43

## EAST Search History

L10	2	"20010035854"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 15:52
L11	3	("2001/0035854").URPN.	USPAT	OR	ON	2008/01/06 15:55

# EAST Search History

L16	291	("20010035854"   "20020033795"   "20020149561"   "20020149570"   "20020156807"   "20030006892"   "20030016211"   "20030022701"   "20030025679"   "20030030628"   "20030038776"   "20030048260"   "20030058265"   "20030067449"   "20030071795"   "20030095105"   "20030128191"   "20030128192"   "20030151597"   "20030174121"   "20030179190"   "2972140"   "3157853"   "3220121"   "3497668"   "3517446"   "3623064"   "3875488"   "3902687"   "3903614"   "3911416"   "3919691"   "3923166"   "4127752"   "4160508"   "4236325"   "4262549"   "4333070"   "4334280"   "4398889"   "4436188"   "4464117"   "4477043"   "4484191"   "4513235"   "4560983"   "4581491"   "4599070"   "4603284"   "4604016"   "4689449"   "4706294"   "4708656"   "4713007"   "4758165"   "4772205"   "4782327"   "4794384"   "4794392"   "4795296"   "4800721"   "4823634"   "4837734"   "4839838"   "4853874"   "4861269"   "4868549"   "4885565"   "4891764"   "4896554"   "4906843"   "4926879"   "4930770"   "4934694"   "4935728"   "4949119"   "4961038"   "4983901"   "5004391"   "5007300"   "5019761"   "5022384"   "5022407"   "5035242"   "5038089"   "5044956"   "5065145"   "5076517"   "5078152"   "5095303"   "5103404"   "5107080"   "5107262"   "5116180"   "5121091"   "5139261"   "5146566"   "5165897"   "5175459"   "5184319"   "5185561"   "5186629"   "5186695"   "5189355"   "5193963"   "5197003"   "5203563"   "5212473"   "5220260"   "5223776"   "5235868"   "5240417"   "5264768"   "5271290"   "5275174"   "5275565"   "5283970"   "5286203").PN. OR ("5296871"   "5299810"   "5302132"   "5309140"   "5313230"   "5334027"   "5341459"   "5354162"   "5355148"   "5376948"   "5381080"   "5389849"   "5389865"   "5396266"   "5398044"   "5399091"   "5405152"   "5414337"   "5436622"   "5437607"   "5451924"   "5457479"   "5459382"   "5461711"   "5466213"   "5471571"   "5473235"   "5473344"   "5491477"   "5506605"   "5512919"   "5513100"   "5530455"   "5542672"   "5547382"   "5565887"   "5575761"   "5576727"   "5577981"   "5583407"   "5587937"   "5589828"   "5589854"   "5591082"   "5596347"   "5600777"   "5619180"   "5625576"   "5629594"   "5638060"   "5642469"   "5643087"   "5656901"   "5666138"   "5666473"   "5690582"   "5691747"   "5691898"   "5694013"   "5709219"   "5714978"   "5719561"   "5721566"   "5724106"   "5724278"   "5731804"   "5734373"   "5736978"   "5739811"   "5742278"   "5745715"   "5754023"   "5755577"   "5757358"   "5760764"   "5766016"   "5767839"   "5769640"   "5771037"   "5781172"   "5784052"   "5785630"   "5790108"   "5802353"   "5805140"   "5805165"   "5808601"   "5808603"   "5821921"   "5823876"   "5825308"   "5831408"   "5835080"   "5844392"   "5877748"   "5880714"   "5887995"   "5889670"   "5896125"   "5897437"   "5903257"   "5912661"   "5914705"   "5914708"   "5917906"   "5929846"   "5944151"   "5956016"   "5956484"   "5959613"   "5973689"   "5977867"   "5984785"   "5986643"   "5990869"   "6001014"   "6004134"   "6005551"   "6008800"   "6020876"   "6024576"   "6028593"   "6037927"   "6061004"   "6067081").PN. OR ("6088017"   "6088019"   "6100874"   "6102803"   "6111577"   "6118435"   "6125385"   "6128006"   "6131097"   "6140987"   "6147422"   "6147674"   "6160489"   "6161126"   "6166723"   "6198206"   "6218966"   "6219034"   "6239790"   "6243080"   "6262717"   "6307465"   "6326901"   "6337678"   "6373463"   "6388655"   "6414674"   "6422941"   "6429846"   "6445284"   "6447069"   "6469695"   "6473069"   "6487421"   "6509892"   "6518958"   "6529122"   "6535201"   "6610936"   "6628195"   "6636202"   "6639582"   "6647145").PN. OR ("7148875").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/06 15:58
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## EAST Search History

L17	23	(bimorph near (piezoelectric or piezo) near actuator) same vibrat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 18:05
L18	49	(bimorph near (piezoelectric or piezo) near actuator) same layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 18:06
S1	1	"10525792".rtan. or ("10".src. and "525792".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/01/06 15:19